

Amendments to the Claims

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

1. (Original) Peptide compositions excellent for promoting cell growth comprising:

partial peptides of one or more peptide chains selected from peptide chains forming noncrystalline portions constituting silk protein, said partial peptides having specific amino acid sequences formed of four to forty amino acid residues.

2. (Currently Amended) The peptide compositions according to Claim 1, wherein the peptide chains having the specific amino acid sequences have amino acid sequences from any of the following (1) to (8) amino acid sequences:

~~(1) VITTDSDCNE~~

~~(2) NINDFDED~~

~~(3) AASSVSSASSRSYDYSRRNVRKN~~

~~(4) GSSGFGPYVAHGGYSCYEYAWSSSEDFCT~~

~~(5) YGWGDGGYGSDS~~

~~(6) DEYVDN~~

~~(7) VETIVLEEDPYCHEDIYEED~~

~~(8) DDGFFVLDCCYDSE~~

(1) Val Ile Thr Thr Asp Ser Asp Gly Asn Glu  
5 10

(2) Asn Ile Asn Asp Phe Asp Glu Asp  
5

(3) Ala Ala Ser Ser Val Ser Ser Ala Ser Ser  
5 10

Arg Ser Tyr Asp Tyr Ser Arg Arg Asn Val  
15 20

Arg Lys Asn

(4) Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala  
5 10

His Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala  
15 20

Trp Ser Ser Glu Ser Asp Phe Gly Thr  
25

(5) Tyr Gly Trp Gly Asp Gly Gly Tyr Gly Ser  
5 10

Asp Ser

(6) Asp Glu Tyr Val Asp Asn  
5

(7) Val Glu Thr Ile Val Leu Glu Glu Asp Pro  
5 10

Tyr Gly His Glu Asp Ile Tyr Glu Glu Asp  
15 20

(8) Asp Asp Gly Phe Val Leu Asp Gly Gly Tyr  
5 10

Asp Ser Glu

3. (Currently Amended) Peptides excellent for promoting cell growth, comprising any of the following (1) to (8) amino acid sequences:

~~(1) VITTDSDGNE~~

~~(2) NINDFDED~~

~~(3) AASSVSSASSRSYDYSRRNVRKN~~

~~(4) GSSGFGPYVAHGGYSCYEYAWSSSEDFGT~~

~~(5) YGWCDGGYGSDS~~

~~(6) DEYVDN~~

~~(7) VETIVLEEDPYGHEDIYEED~~

~~(8) DDGFFVLDGGYDSE~~

(1) Val Ile Thr Thr Asp Ser Asp Gly Asn Glu  
 5 10

(2) Asn Ile Asn Asp Phe Asp Glu Asp  
 5

(3) Ala Ala Ser Ser Val Ser Ser Ala Ser Ser  
 5 10  
 Arg Ser Tyr Asp Tyr Ser Arg Arg Asn Val  
 15 20  
 Arg Lys Asn

(4) Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala  
 5 10  
 His Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala  
 15 20  
 Trp Ser Ser Glu Ser Asp Phe Gly Thr  
 25

(5) Tyr Gly Trp Gly Asp Gly Gly Tyr Gly Ser  
 5 10  
 Asp Ser

(6) Asp Glu Tyr Val Asp Asn  
 5

(7) Val Glu Thr Ile Val Leu Glu Glu Asp Pro  
 5 10  
 Tyr Gly His Glu Asp Ile Tyr Glu Glu Asp  
 15 20

(8)	Asp	Asp	Gly	Phe	Val	Leu	Asp	Gly	Gly	Tyr
					5					10
	<u>Asp Ser Glu</u>									

4. (Currently Amended) A method of separating and obtaining peptides excellent for promoting cell growth by molecular weight fractionation after hydrolysis of undegraded silk protein from a domesticated silkworm or undegraded silk fibroin from a wild silkworm belonging to ~~Antheraea~~Antheraea.

5. (Original) The method of separating and obtaining the peptides excellent for promoting cell growth according to Claim 4, wherein the hydrolysis is carried out by using a dilute acid, hydroxylamine or a protease.

6. (Previously Presented) A cell growth-promoting agent comprising the peptide compositions according to Claim 1.

7. (Original) A cell growth-promoting agent comprising the peptides according to Claim 3.

8. (Previously Presented) A cell adhesion agent comprising the peptide compositions according to Claim 1.

9. (Original) A cell adhesion agent comprising the peptides according to Claim 3.

10. (Previously Presented) A wound healing promoting agent comprising the peptide compositions according to Claim 1.

11. (Original) A wound healing promoting agent comprising the peptides according to Claim 3.

12. (Previously Presented) A cosmetic material comprising the peptide compositions according to Claim 1.

13. (Original) A cosmetic material comprising the peptides according to Claim 3.

14. (Previously Presented) A cell culture substrate comprising the peptide compositions according to Claim 1.

15. (Original) A cell culture substrate comprising the peptides according to Claim 3.